

ABSTRACT

An image sensing and printing device includes a housing. An area image sensor is positioned on the housing for sensing a viewed image to be printed on media and for generating pixel data representing the viewed image. A printing mechanism is arranged on the housing. The printing mechanism defines a media feed path and includes a printhead assembly that includes a pagewidth printhead having at least one printhead chip that spans the media feed path. A feed mechanism feeds media along the media feed path so that the printhead can carry out a printing operation on the media. A processor is positioned in the housing. The processor includes processing circuitry. An image sensor interface is connected to the processing circuitry for receiving pixel data from the image sensor, converting the pixel data into an internal format and writing the converted pixel data to the processing circuitry. The processing circuitry is configured to convert the pixel data to print image data. A printhead interface is connected to the processing circuitry for receiving the print image data from the processing circuitry and for providing signals representing the print image data to the printhead so that the printhead can carry out said printing operation to generate a printed representation of said viewed image.